



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

Academic Support Services for Research and Development

Teresa Palmer

HBCU/MI Program Manager

8725 John J. Kingman Road, Suite 0944

Ft. Belvoir, VA 22060-6218

1.800.363.7247/703.767.8235

hbcumi@dtic.mil



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

What is DTIC?

A repository for DOD's Research
and Development of Scientific
and
Technical Information and other
related DoD efforts.



Reference Resources

- Technical reports & memos
- Test results
- Studies & analyses
- Journal articles
- Conference proceedings
- Theses & dissertations
- Patent information
- Research reports: ongoing and completed efforts
- Project details:
 - Objective
 - Approach
 - Progress
- Organization information:
 - Funding data
 - Performing/funding agency/contractor



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

Gain the competitive edge!

Why Use DTIC ?

- Access to past, present, and current DOD S & T Projects
- Assess how your R&D interest areas match DOD's
- Locate agencies most interested in your capabilities
- Determine where money is available to pay for your effort
- Eliminate duplication
- Strengthen academic programs, and grant/contract proposals preparation



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

Services

- Custom database searching from DTIC's Technical Report Bibliographic databases
- Web Search Services
- Tailored electronic subscription alert services
- Print and electronic full-text technical reports, documents, bibliographies, and project summaries
- Provide guidance to other information services
- **At No Cost**



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

Home | DTIC From A to Z | Contact Us

Home

Registration

Submitting
Information

Products &
Services

Find A
Document

Ordering

Search DTIC's Site

GO

About Us

Events

Job Announcements

Web Links

Information Analysis
Centers (IACs)

Who We Are

The Defense Technical Information Center (DTIC®) is the central facility for the collection and dissemination of scientific and technical information for the Department of Defense (DoD). Much of this information is made available by DTIC in the form of technical reports about completed research, and research summaries of ongoing research. As an element of the [Defense Information Systems Agency](#) (DISA), DTIC supports the warfighter and serves as a vital link in the transfer of data among DoD personnel, DoD contractors and potential contractors and other U.S. Government agency personnel and their contractors. DTIC's use of leading edge technology allows customized information to be gathered at rapid speeds and deployed to its customers using state-of-the-art communications. To utilize DTIC's products and services you must be a [registered user](#).

What We Can Do For You

All users can [search DTIC's unclassified collections](#) and display or order scientific and technical information. DTIC also makes available sensitive and classified information to eligible users.

Announcements

- [New Militarily Critical Technologies List \(MCTL\) is now available](#)
- [DTIC Launches new Handle Service!](#)
- [DTIC's latest "Report To Our Customers" now available](#)

Any questions? -- www.dtic.mil

Search DTIC's Site

GO

- About Us
- Events
- Job Announcements
- Web Links
- Information Analysis Centers (IACs)

DTIC® From A to Z

[A](#) | [B](#) | [C](#) | [Da-De](#) | [Df-Do](#) | [Dp-Dv](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#)
[N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

A

[ADD](#) (Automatic Document Distribution)
[Advanced Materials and Processes Technology Information Analysis Center](#) (AMPTIAC)
[Aerospace Guidance and Metrology Center](#) (AGMC)
[AFIS](#) (American Forces Information Service)
[Air Force Heritage of America Band](#)
[Air Force Link](#) (U.S. Air Force Homepage)
[Air Force Office of Special Investigations](#) (AFOSI)
[Air University Library Index to Military Periodicals](#) (AULIMP)
[Albuquerque Regional Office](#)
[American Forces Information Service](#) (AFIS)
[American Society for Information Science](#) (ASIS)
[AMPTIAC](#) (Advanced Materials and Processes Technology Information Analysis Center)

Home

Registration

Submitting
InformationProducts &
ServicesFind A
Document

Ordering

[Search DTIC's Site](#)

GO

Database
DescriptionsServices to
Search DatabasesCurrent Awareness
Products

Products & Services

- [Technical Reports \(TR\)](#)
- [Research Summaries \(RS\)](#)
- [Independent Research & Development \(IR&D\)](#)
- [Research and Development Descriptive Summaries \(RDDS\)](#)
- [DoD Technology Transfer \(DTTIS\)](#)



- [Scientific and Technical Information Network \(STINET\)](#)
- [Defense RDT&E Online System \(DROLS\)](#)
- [Web-Enabled DROLS](#)
- [Technical Reports on CD-ROM \(TR CD-ROM\)](#)



Web Sites:

- [Topic Links](#)
- [DTIC® Review](#)

Subscription Services:

- [Current Awareness Bibliographies](#)
- [Automatic Document Distribution \(ADD\)](#)
- [DTIC Review](#)
- [Latest Additions to IR&D](#)
- [Latest Research Summaries](#)
- [TRAIL](#)

▶ Customer Assistance

- [Document Identification](#), [ordering](#), and [order status inquiries](#)
- [Customized Searches](#)
- [Reference tools](#), [referral service](#) and [search strategy assistance](#)
- [Regional Offices](#)
- [Telecommunications Help Desk](#)

▶ Training

- [WED](#), [Legacy DROLS](#), [Internet](#), and [STINFO](#)
- [Schedule](#)
- [Course Registration](#)

▶ Specialized Programs

- [Historically Black College and University/Minority Institutions Program \(HBCU/MI\)](#)
- [Small Business Innovation Research Program \(SBIR\)](#)
- [University Research Support Program \(URS\)](#)
- [Information Analysis Program \(IAC\)](#)
- [Manpower and Training Research Information System \(MATRIS\)](#)

▶ Current Research and Development Initiatives

- | | | |
|---|--------------------------------------|---|
| ▪ Defense Virtual Library | ▪ Preservation | ▪ DoD R&D Information Map |
| ▪ Handle Service | ▪ Intranet Portal | ▪ Workflow Automation |
| ▪ Knowledge Management | ▪ XML | ▪ Biometrics |
| ▪ Distance Learning | ▪ CD-ROM/DVD Product | ▪ Wireless |
| ▪ CSAS Modernization | ▪ Development | ▪ Personal Digital Assistant |

Current Research and Development Initiatives

- [Defense Virtual Library](#)
- [Handle Service](#)
- [Knowledge Management](#)
- [Distance Learning](#)
- [CSAS Modernization](#)
- [Preservation](#)
- [Intranet Portal](#)
- [XML](#)
- [CD-ROM/DVD Product Development](#)
- [DoD R&D Information Map](#)
- [Workflow Automation](#)
- [Biometrics](#)
- [Wireless](#)
- [Personal Digital Assistant](#)

Research Tools and Publications

Research Tools: (Available through our [STINET](#) service)

- [DoD GILS Service](#)
- [DoD Index of Specifications and Standards](#) (DoDISS)
- [How To Get It](#) (HTGI)
- [Air University Library Index to Military Periodicals](#) (AULIMP)
- [DTIC Handle Service](#)

Publications

- [Contributors Handbook](#)
- [DTIC Thesaurus](#)
- [Registration Guide](#)
- [Subject Category Guide](#)
- [DTIC Digest](#)
- [Handbook for Users](#)
- [Report to Our Customers](#)

DTIC may not be able to respond to inquiries not appropriate to its mission.

| [Home](#) | [Registration](#) | [Submitting Information](#) | [Products & Services](#) |
| [Find a Document](#) | [Ordering](#) | [DTIC A - Z](#) | [Contact Us](#) |

[Privacy & Security Notice](#) | [Web Accessibility](#)

Home

Registration

Submitting
Information

Products &
Services

Find a
Document

Ordering

[Search DTIC's Site](#)

GO

- ▶ Database Descriptions
- ▶ Services to Search Databases
- ▶ Current Awareness Products
- ▶ Customer Assistance
- ▶ Training
- ▶ Specialized Programs
 - HBCU/MI
 - [SBIR](#)
 - [URS](#)
 - [IAC](#)
 - [MATRIS](#)
- ▶ Current Research and Development Initiatives
- ▶ Research Tools and Publications

HBCU/MI Scientific and Technical Information Products

» [HBCU/MI Home](#) » [HBCU/MI Resources](#) » [HBCU/MI Registration Form](#)

[Resources at DTIC](#) | [Announcements](#) | [Institutions](#) | [Joint Projects](#) | [Reference Tools](#)
| [DoD R&D Programs](#) | [Other Programs](#)

Resources at DTIC

[DTIC Corporate Source](#)
[DTIC Contributor's Handbook](#)
[DTIC Homepage](#)
[DTIC Internet Resources Listing](#)
[DTIC Review](#)
[DTIC Thesaurus Database Search](#)
[DTIC TopicLINKS](#)
[DTIC World Wide Web Services](#)
[Electronic Current Awareness Services](#)
[Information Analysis Centers](#)

Announcements

Information Service

[National connection to U.S. Science and Technology](#)

Summer R & D Programs

[Young Investigator Program](#)
[Summer Faculty Research Program](#)
[Faculty Sabbatical Leave Program](#)
[Graduate and Postdoctorate](#)

[Information Analysis Centers](#)
[Index to Military Periodicals](#)
[Research and Development Descriptive Summaries](#)
[Scientific and Technical Information Search Subjects and Categories - TRAIL](#)

[All HBCU/MIs can register now with DTIC at no cost!](#)

Institutions

[Graduate Schools by Subjects](#)
[Minority Program Offices](#)
[Post Secondary Minority Institutions List](#)

Joint Projects

[Environmental Technology Consortium](#)
[Innovation in Science and Technology Information](#)

Reference Tools

[Air Force E-Mail](#)
[Categories of School Studies and Programs](#)
[Commerce Business Daily](#)
[DoD Excess IT Equipment](#)
[Defense Computers For School Programs](#)
[Doing Business With DoD](#)
[Minority Institutions Technology Support Services Contracts \(MITSS\)](#)
[National Technical Information Services](#)
[Procurement Technical Assistance Centers Search \(PTAC\)](#)
[McNair \(Physics\) Program](#)
[Technology Transfer - Federal Laboratory Consortium](#)
[World Wide Web Services](#)

DOD R&D Programs

File Edit View Favorites Tools Help Links Best of the Web Channel Guide Customize Links

Address <http://www.dtic.mil/dtic/hbcumi/hbcuresources.html> Go

Search: Web Shopping Travel Dictionary Encyclopedia Fun

	<p>Environmental Technology Consortium Innovation in Science and Technology Information Science and Engineering Alliance (SEA)</p>	<p>DOD R&D Programs</p> <p>Air Force Office Scientific Research Army Research Office Bio Systems Program Defense Computers For School Programs Defense Experimental Program to Stimulate Competitive Research (DEPSCOR) DoD Director of Research Opportunities DoD Independent Research and Development DoD Small Business Innovation Research DoD Small Business Technology Transfer DoD Technology Transfer Program Minority Opportunities Within DoD Agencies Office of Naval Research Science and Engineering Research and Educational Opportunities University Research Initiative</p> <p>Other Selected</p>	
--	--	---	--

Internet

Other Selected
Federal Programs

[Department of Agriculture](#)
[Department of Education](#)
[Department of Energy](#)
[National Science Foundation](#)

DTIC-HBCUMI Program Manager

(703) 767-8235 or Fax to (703) 767-9459

Call Toll Free 1-800-225-3842

DTIC may not be able to respond to inquiries not appropriate to its mission.

| [Home](#) | [Registration](#) | [Submitting Information](#) | [Products & Services](#) |
| [Find a Document](#) | [Ordering](#) | | [DTIC A - Z](#) | [Contact Us](#) |

Address <http://stinet.dtic.mil/>

Search: Web Shopping Travel Dictionary Encyclopedia Fun



Scientific and Technical Information Network

[Disclaimer/Privacy & Security Notice](#)

[Search DTIC Web Pages](#)

[DTIC Code of Service](#)

Search Scientific & Technical Documents

[DOD Index of Specifications and Standards](#)

[Research and Development Descriptive Summaries](#)

[Secure STINET Info](#)

[STINET Information](#)

[Site Map](#)

[Find It](#)

[Search Tips](#)



New on STINET

[New Militarily Critical Technologies List \(MCTL\) is now available](#)

Full-Text [RDDS \(Research and Development Descriptive Summaries\)](#) have been added for FY 2002.

Address <http://stinet.dtic.mil/str/index.html> Go

Scientific Search: Web Shopping Travel Dictionary Encyclopedia Fun



Quick Search

Scientific and Technical Documents

[HOME](#) [SC](#) [TECH](#) [INFO](#) [MAP](#) [Quick](#) [Fielded](#) [Subsets](#) [Resources](#) [Other Federal](#)
[Add DTIC Thesaurus](#) [Help](#)

*This Quick Search searches all databases checked. Choose this search if you want broad-based search results.
The maximum number of documents returned is 25.*

Choose one or more of the following :

- ☒ [DTIC's Technical Reports Collection](#) ?
- ☒ [DTIC's Full-Text Collection](#) ?
- ☐ [DTIC Thesaurus](#) ?
- ☐ [R&D Descriptive Summaries \(RDDS\)](#) ?

Note: The more you select, the slower the response time.

Search for :

[View Database Descriptions](#)

[Fielded Search](#) [Search Help](#)



Search Results

[HOME](#) [Tech](#) [INFO](#) [MAP](#) [Q](#) [?](#)

Results from running strict boolean query with: **(Entire Citation contains 'weapon' OR 'system')**

Score	Database	Record Accession Number	Title	Links
1000	U2 Full Text	ADA366412	Impact of Year 2000 Issues on the Aegis Weapon System.	Citation/Document(s) Order
912	Technical Reports - U2	ADD017862	Unmanned Undersea Weapon Deployment Structure With Cylindrical Payload Configuration.	Citation Order
871	Technical Reports - U2	ADD018828	Unmanned Undersea Weapon Deployment Structure with Cylindrical Payload Configuration.	Citation Order

Address http://stinet.dtic.mil/cgi-bin/fulcrum_main.pl

Product Search: Web Shopping Travel Dictionary Encyclopedia Fun

[HOME](#) [SCI](#) [TECH](#) [INFO](#) [MAP](#) [?](#)

Record Retrieved

Document Title : Impact of Year 2000 Issues on the Aegis Weapon System.

Filename	MIME Type	Size (Bytes)
ADA366412.pdf	application/pdf	839877

[Next Hit ->](#)

(This is hit 1 of 25.)

AD Number: ADA366412

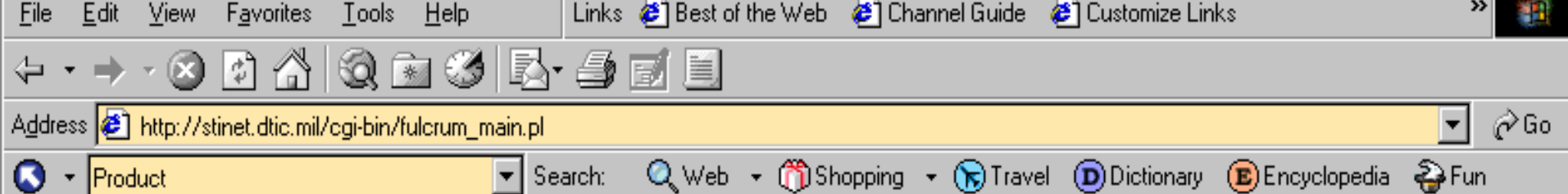
ProxyURL/Handle: <http://handle.dtic.mil/100.2/ADA366412>

Subject Categories: ANTIMISSILE DEFENSE **SYSTEMS** ANTIAIRCRAFT DEFENSE **SYSTEMS**

Corporate Author: INSPECTOR GENERAL DEPT OF DEFENSE ARLINGTON VA

Title: Impact of Year 2000 Issues on the Aegis **Weapon** System.







Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

Technical Reports:

[Description](#)
[Quick Search](#)
[Guided Search](#)
[Advanced Search](#)

Research Summaries:

[Description](#)
[Quick Search](#)
[Guided Search](#)
[Advanced Search](#)

Cross Collection Search:

[Description](#)
[Quick Search](#) (Blue Box This Page)
[Guided Search](#)

DTIC Thesaurus:

[Description](#)
[Thesaurus Search](#)

DTIC Corporate Sources:

[Description](#)
[Corporate Source Search](#)

[Getting Started with WED](#) | [Change Password](#)

The Defense RDT&E Online System (DROLS) provides online access to DTIC collections of Scientific and Technical Information (STI). With Web Enabled DROLS, you can:

- Search, retrieve, display and order products
- Explore a wide spectrum of information by searching selected bibliographic fields
- Access unclassified and limited distribution information depending on user authorization

Cross Collection Quick Search:

[General Search Help](#)☒ DTIC Technical Reports☐ Research Summaries☐ DTIC Corporate Sources☐ DTIC Thesaurus

This site is powered by the [Verity](#) Information Server.



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

Technical Reports Collection | [Quick Search](#) | [Guided Search](#) | [Advanced Search](#)

[General Search Help](#) | [Search Tips for this Page](#) | [Corporate Source Hierarchy](#) | [Thesaurus](#)

Field Searching:

Enter **words** or **phrases** in the fields you want to search. If you enter terms in more than 1 field, the fields will be joined by the "AND" operator. The results set will contain citations that meet the criteria for all fields entered.

[All Fields:](#)[Accession Number \(AD\):](#)[Title:](#)[Personal Author:](#)

Optional Search Parameters:

Make a selection from the pull down boxes or accept the default value in the fields below to limit your search results.

[Report Date Range:](#)



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#) | [View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

[Guided Search](#)
[Advanced Search](#)

Cross Collection Search:

[Description](#)
[Quick Search](#) (Blue Box This Page)
[Guided Search](#)

DTIC Thesaurus:

[Description](#)
[Thesaurus Search](#)

DTIC Corporate Sources:

[Description](#)
[Corporate Source Search](#)

Cross Collection Quick Search:

[General Search Help](#)



- | | |
|--|--|
| <input checked="" type="checkbox"/> DTIC Technical Reports | <input checked="" type="checkbox"/> Research Summaries |
| <input checked="" type="checkbox"/> DTIC Corporate Sources | <input type="checkbox"/> DTIC Thesaurus |

This site is powered by the [Verity](#) Information Server.

Points of Contact:

Tech Support or to Report Problems:

DTIC Tech Control
 Telephone: Commercial (703) 767-6000/DSN 427-6000
 Email: TechCont@dtic.mil

Training or More Information on Web Enabled DROLS:

ATTN: Network Services Branch (DTIC-BRN)
 Defense Technical Information Center



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

Research Summaries Collection

[Quick Search](#) | [Guided Search](#) | [Advanced Search](#)[General Search Help](#) | [Search Tips for this Page](#) | [Corporate Source Hierarchy](#) | [Thesaurus](#)

Linking Accession Number
Local Control (Work Unit) Number
Mission Area Code
Narrative
Numbers
Objective
Objective Classification
Performance Method
Performance Type
Performing Organization
Performing Organization City Location
Performing Org. Component/Office Symbol
Performing Org. State/Country Location
Performing Organization Geopolitical
Performing Organization Source Code
Performing Organization Type Code
Performing Organization Zip Code
Primary Funding Program Element Number
Primary Funding Project Number
Primary Funding Task Number

(Unselected)

Blank fields will be ignored. Use the drop down boxes on the right to choose Boolean operators to define the relationship ANDs first then all of the ORs from the left to the right.

<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>

And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>
And	<input type="button" value="v"/>



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

Your search for **((biofeedback) <in> TI <and> (01 <in> DC))** matched **29** out of **1926243** documents.

[Save This Search](#)[Order Bib](#)

Results list navigation: [1](#) [2](#) [\[Next\]](#)

[Put checked items in Shopping Cart](#)

Press this button to add items before leaving this page.

1. [View Citation](#) | (No Full Text Available)

☐ Add to Shopping Cart

Title: Versatile System for Interfacing Subject to Task in EEG Analysis with Biofeedback.

AD Number: ADA021827. *Corporate Author:* NAVAL POSTGRADUATE SCHOOL MONTEREY CALIF. *Personal Author:* Marvel,Dennis Cruce. *Report Date:* December 01, 1975. *Media:* 51 Page(s). *Distribution Code:* 01 - APPROVED FOR PUBLIC RELEASE. *Source Code:* 251450. *From the Collection:* TR42.

2. [View Citation](#) | (No Full Text Available)

☐ Add to Shopping Cart

Title: Use of Biofeedback in Anxiety Management Training and its Effect on Scholastic Performance.

AD Number: ADA042920. *Corporate Author:* FRANK J SEILER RESEARCH LAB UNITED STATES AIR FORCE ACADEMY COLO. *Personal Author:* Eggleston,Robert G. Parker,Kermit E.. *Report Date:* April 01, 1977. *Media:* 122 Page(s). *Distribution Code:* 01 -



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)

[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)

Technical Reports Collection

Citation Format: Full Citation (1F)

Accession Number :

ADA213171

Citation Status:

Active

Citation Classification:

Unclassified

Field(s) & Group(s):

200600 - OPTICS

230100 - BIOMEDICAL INSTRUMENTATION AND BIOENGINEERING

Corporate Author:

NAVAL AEROSPACE MEDICAL RESEARCH LAB PENSACOLA FL

Unclassified Title:

A Scheiner-Principle Pocket Optometer for Self-Evaluation and Biofeedback Accommodation Training.

Title Classification:

Unclassified

Descriptive Note:

Interim rept. 1987-1988,

Personal Author(s):

Cushman, William B.

Report Date:

19 Apr 1989

Media Count:

14 Page(s)

Cost:

\$7.00

Report Number(s):

NAMRL-1344

XB-NAMRL

Project Number:

M0096

Task Number:

M0096001

Monitor Acronym:

XB

Monitor Series:

NAMRL

Report Classification:

Unclassified

Descriptors:

*TRAINING DEVICES, *FOCUSING, *NIGHT VISION, *VISUAL DEFECTS, *BIOFEEDBACK, *OPTOMETERS, MANUFACTURING, TRAINING, FLIGHT TRAINING, LOW COSTS, HUMANS, PILOTS, LIGHT, PROTOTYPES, LIGHT SOURCES, AVAILABILITY, FLIGHT, DARKNESS, WINDSHIELDS, LIGHTWEIGHT, EYE, SKY, DISTORTION, MONOCHROMATIC LIGHT, HAND HELD, INVENTIONS, CHROMATICITY

Identifiers:

*VISUAL ACCOMMODATION, *NIGHT MYOPIA, WU7006, PE63706N, MYOPIA, EMPTY FIELDS

Abstract:

Most humans tend toward myopia when presented with a visual field without sufficient detail to stimulate focusing mechanisms. This means that a pilot flying in darkness, or in an 'empty field' such as empty sky, will be likely to focus nearer the windscreen than at the optical infinity required to focus on visual targets of probable interest. Biofeedback training to counter this problem has been limited in practical application by expensive and cumbersome instrumentation. A Scheiner-principle optometer has been developed for self-evaluation of accommodative state and biofeedback training. The specific advantages of the new invention over earlier optometers are: (a) simplicity of design; (b) hand held, portable implementation; (c) light weight; (d) small size; (e) low manufacturing cost; (f) the use of a monochromatic light source to eliminate the effects of chromatic aberrations in the subject's eye; and (g) effectiveness as a training aid. Four prototypes of the pocket optometer have built and were used to implement biofeedback training to correct night myopia in 12 Navy aviation candidates. All subjects were emmetropic in full light. Training was limited in duration due to the transient nature of subject availability but was reasonably successful in 10 out of the 12 cases.

Abstract Classification:

Unclassified

Distribution Limitation(s):

01 - APPROVED FOR PUBLIC RELEASE

Source Code:

406061

Document Location:

DTIC



Web Enabled DROLS

[Home](#) | [Collections](#) | [Ordering](#)

[View Stored Searches](#) | [View Shopping Cart](#) | [View Orders](#)



DTIC FILE COPY

AD-A213 171 A SCHEINER-PRINCIPLE POCKET
OPTOMETER FOR SELF-
EVALUATION AND BIOFEEDBACK
ACCOMMODATION TRAINING

William B. Cushman

DTIC
ELECTE
OCT 0 1 1988
S D

Naval Aerospace Medical Research Laboratory
Naval Air Station
Pensacola, Florida 32508-5700

Approved for public release; distribution unlimited
89 10 6 032

Pensacola, Florida 32508-5700
Approved for public release; distribution unlimited
89 10 6 032



Welcome to the

Defense Technical Reports Automated Information List (TRAIL)

[Subscribe](#)[Update Subscription](#)[DTIC](#)[DISA](#)

TRAIL is a free electronic mailing list that automatically disseminates citations to DTIC's unclassified/unlimited technical reports recently added to the DTIC technical reports database. Our technical reports are categorized according to [DTIC's 25 subject categories](#) and 251 groups and subgroups which are described more fully in the [Subject Categorization Guide for Defense Science and Technology](#).

TRAIL subscribers may choose to receive their first bibliography via email immediately after subscribing; TRAIL listings will follow every two weeks. The bibliography is based on the categories and subgroups chosen on the subscription form.

[Subscribe Now](#)

check	Subject Category Click the link for details	help	<ul style="list-style-type: none"> Begin by selecting a Subject Category on the far LEFT under "check" column. Next, deselect any unwanted subgroups in this column. At any time, click the ? to view the subgroup definitions. To deselect all "checkboxes" in a Subject Category Click the radio button on the far RIGHT under Reset column. 	Reset
<input type="checkbox"/>	01 Aviation Technology	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	<input type="radio"/>
<input type="checkbox"/>	02 Agriculture	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="radio"/>
<input type="checkbox"/>	03 Astronomy and Astrophysics	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="radio"/>
<input type="checkbox"/>	04 Atmospheric Sciences	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="radio"/>
<input type="checkbox"/>	05 Behavioral and Social Sciences	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9	<input type="radio"/>
<input type="checkbox"/>	06 Biological and Medical Sciences	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15	<input type="radio"/>
<input type="checkbox"/>	07 Chemistry	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="radio"/>
<input type="checkbox"/>	08 Earth Sciences and Oceanography	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12	<input type="radio"/>
<input type="checkbox"/>	09 Electrotechnology and Fluidics	?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	<input type="radio"/>
	10 Power			

[Home](#)[Registration](#)[Submitting
Information](#)[Products &
Services](#)[Find A
Document](#)[Ordering](#)[Search DTIC's Site](#)

GO

[Price List](#)[Online Forms](#)[Document Order](#)[Order Request](#)[Order Status](#)[Email Orders](#)[Reference & Retrieval](#)[Document ID](#)[DTIC Database Search](#)[Commercial Database
Search](#)[Subscription Orders](#)

Current Awareness Products Order Form

PLEASE NOTE

Use this form if you are a **registered DTIC® user** and you wish to request ADD, AMTD, CAB or IR&D & RS Research Summaries

User Code:

Name,
Organization,
Address:

Phone Number:
(Commercial &
DSN)

FAX:

Email:

Subject Profile:
(Key words or
Narrative)

**Comments or
questions:**

Topic Links

>> [Topic Links Home](#)

>> [About Topic Links](#)

>> [Search](#)

>> [Comments & Suggestions](#)

>> [Contribute and Edit Links](#)

>> [Disclaimer for External Links](#)

Aeronautics/Aviation

60

Energy

60

Agriculture

60

Engineering

60

Behavioral/Social Science

60

General Information--Ready Reference

60

Bioscience

60

Government Information

60

Chemistry

60

Materials/Processes

60

Communications/Telecommunications

60

Mathematics

60

Computing

60

Military Science

60

Databases/Information Centers

60

Physics

60

Earth Science/Environment

60

Public Affairs and News

60

Electronics/Sensors

60

Technology Transfer

60

Descriptions

- Services to Search Databases
- Current Awareness Products

Web Sites

- Topic Links
- DTIC Review

Subscription Products

- CAB
- ADD
- TRAIL
- DTIC Review
- Additions to IR&D
- Additions to RS

Customer Assistance

Training

Specialized Programs

Current Research and Development Initiatives

Research Tools and Publications

Aeronautics/Aviation

Aviation Technology

[Air University Home Page](#)

[General Aviation Servers](#)

[Government / Research Aviation Servers](#)

[World-Wide Web Virtual Library: Aerospace/Online Research Services](#)

[World-Wide Web Virtual Library: Aviation](#)

Astronomy and Astrophysics

[Astronomy and Astrophysics at NSSDC](#)

[Astronomy and Space Science](#)

[Harvard - Smithsonian Center for Astrophysics](#)

[NASA Goddard Space Flight Center](#)

World Wide Web

Services <http://www.dtic.mil/itexchange/weblinks.html>

[[Web Services to OSD and Others](#) | [[Web Services to DISA](#) [Web Services Within DTIC](#)]

[Updated: May 2, 2002](#)

Web Services to the Department of Defense and Other Agencies

[Air Force Heritage of America Band](#)

[Air Force Office of Special Investigations \(AFOSI\)](#)

[AirForceLINK](#)

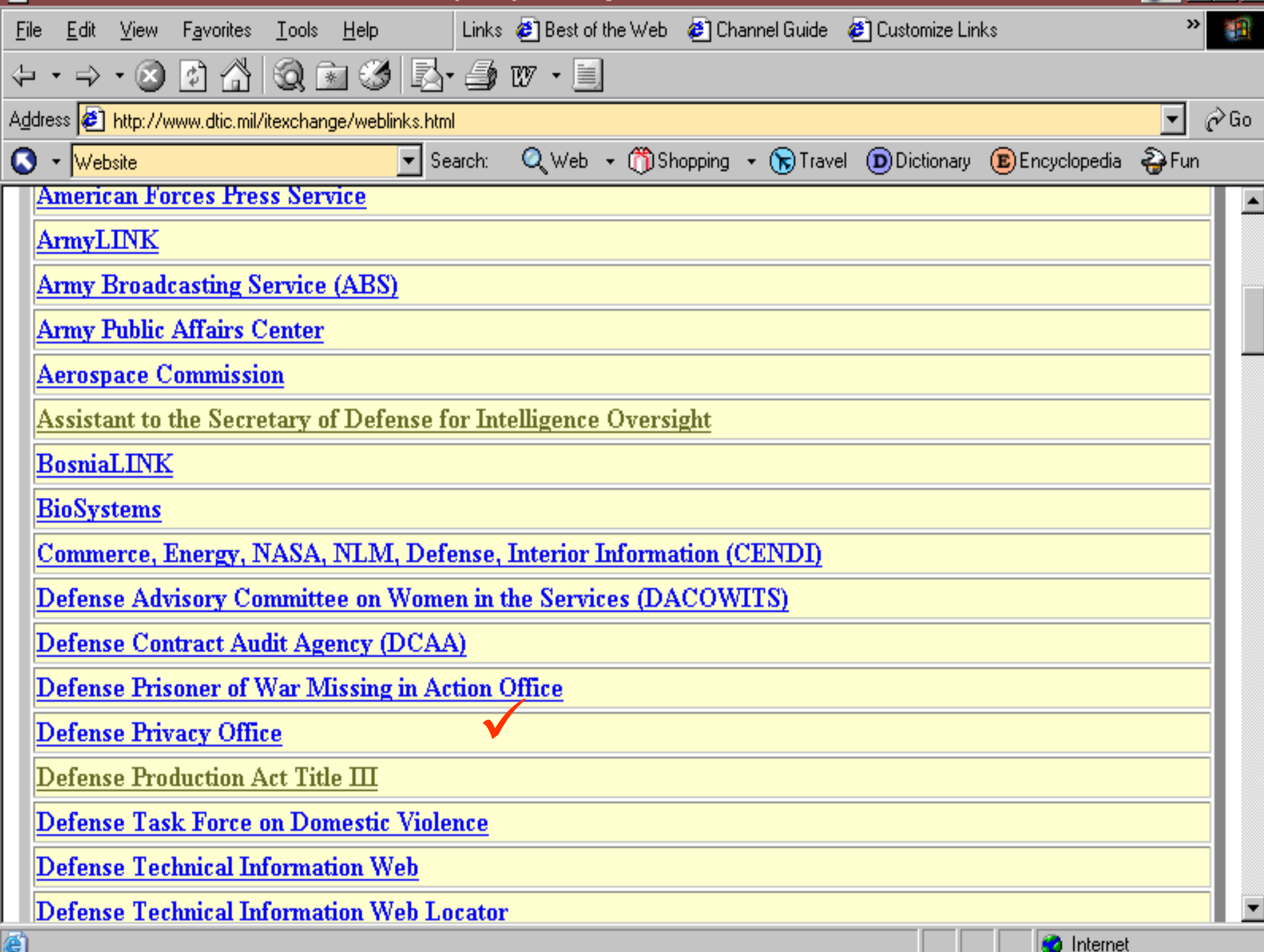
[AirforceLINK Jr.](#)

[AirForceLINK News](#)

[American Forces Information Service](#)

[American Forces Press Service](#)

[ArmyLINK](#)



[American Forces Press Service](#)

[ArmyLINK](#)

[Army Broadcasting Service \(ABS\)](#)

[Army Public Affairs Center](#)

[Aerospace Commission](#)

[Assistant to the Secretary of Defense for Intelligence Oversight](#)

[BosniaLINK](#)

[BioSystems](#)

[Commerce, Energy, NASA, NLM, Defense, Interior Information \(CENDI\)](#)

[Defense Advisory Committee on Women in the Services \(DACOWITS\)](#)

[Defense Contract Audit Agency \(DCAA\)](#)

[Defense Prisoner of War Missing in Action Office](#)

[Defense Privacy Office](#)

[Defense Production Act Title III](#)

[Defense Task Force on Domestic Violence](#)

[Defense Technical Information Web](#)

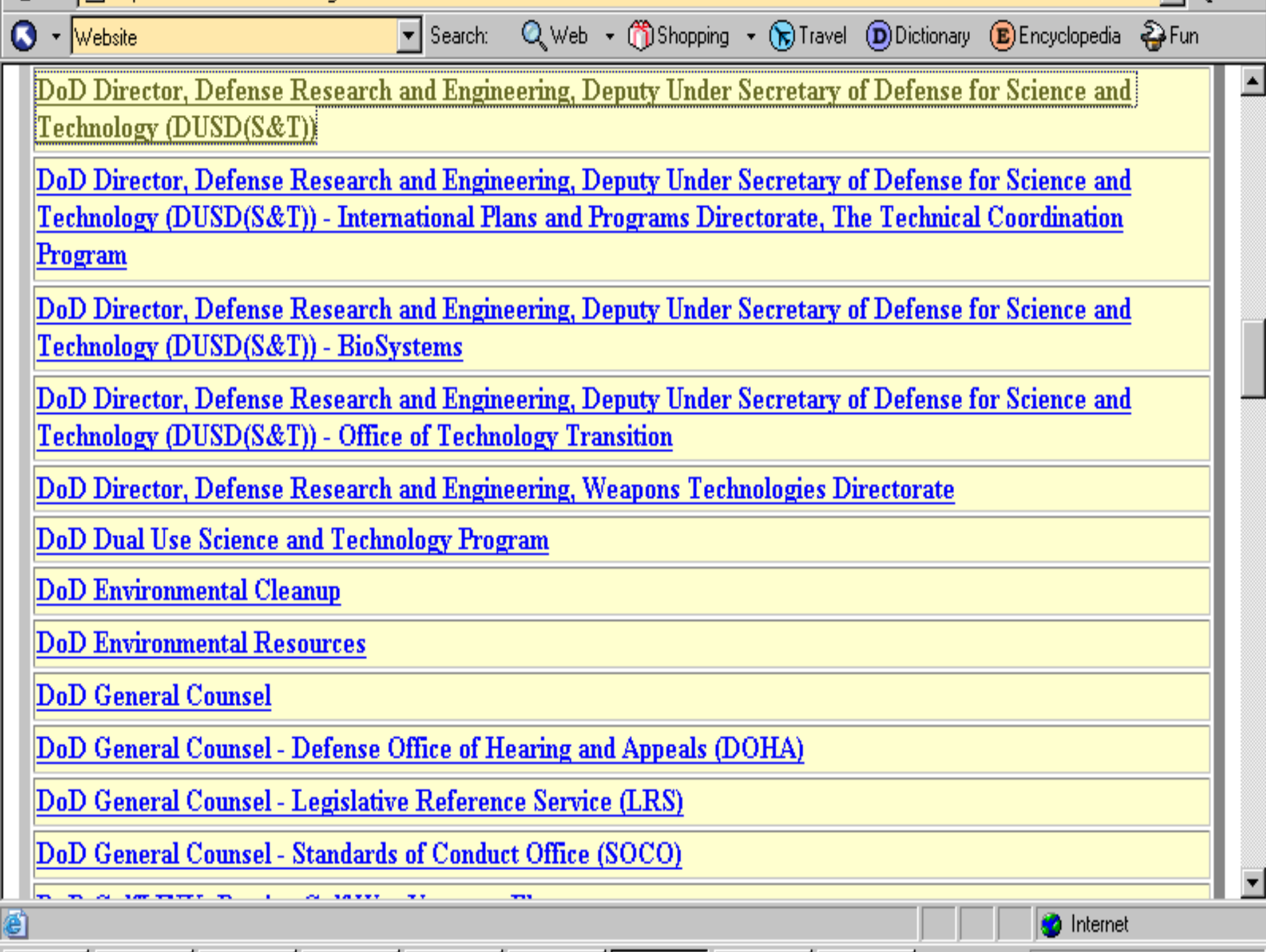
[Defense Technical Information Web Locator](#)

File Edit View Favorites Tools Help Links Best of the Web Channel Guide Customize Links

Address <http://www.dtic.mil/itexchange/weblinks.html>

Website Search: Web Shopping Travel Dictionary Encyclopedia Fun

- [Defense Technical Information Web](#)
- [Defense Technical Information Web Locator](#)
- [DefenseLINK](#)
- [DefenseLINK Freedom of Information \(FOIA\) Program](#)
- [DefenseLINK GILS Guidelines](#)
- [DefenseLINK GILS Locator](#)
- [DefenseLINK: International Security Affairs](#)
- [DefenseLINK OSD Reserve Affairs](#)
- [DefenseLINK OSD Legislative Affairs](#)
- [DoD Biomedical Research Database](#)
- [DoD C3I](#)
- [DoD Comptroller](#)
- [DoD DeploymentLINK](#)
- [DoD Director, Defense Research and Engineering](#)
- [DoD Director, Defense Research and Engineering, Deputy Under Secretary of Defense for Science and Technology \(DUSD\(S&T\)\)](#)



[DoD Director, Defense Research and Engineering, Deputy Under Secretary of Defense for Science and Technology \(DUSD\(S&T\)\)](#)

[DoD Director, Defense Research and Engineering, Deputy Under Secretary of Defense for Science and Technology \(DUSD\(S&T\)\) - International Plans and Programs Directorate, The Technical Coordination Program](#)

[DoD Director, Defense Research and Engineering, Deputy Under Secretary of Defense for Science and Technology \(DUSD\(S&T\)\) - BioSystems](#)

[DoD Director, Defense Research and Engineering, Deputy Under Secretary of Defense for Science and Technology \(DUSD\(S&T\)\) - Office of Technology Transition](#)

[DoD Director, Defense Research and Engineering, Weapons Technologies Directorate](#)

[DoD Dual Use Science and Technology Program](#)

[DoD Environmental Cleanup](#)

[DoD Environmental Resources](#)

[DoD General Counsel](#)

[DoD General Counsel - Defense Office of Hearing and Appeals \(DOHA\)](#)

[DoD General Counsel - Legislative Reference Service \(LRS\)](#)

[DoD General Counsel - Standards of Conduct Office \(SOCO\)](#)

[DoD General Counsel - Legislative Reference Service \(LRS\)](#)

[DoD General Counsel - Standards of Conduct Office \(SOCO\)](#)

[DoD GulfLINK: Persian Gulf War Veterans Illnesses](#)

[DoD Human Factors Engineering Technical Advisory Group](#)

[DoD Human Systems Integration/Directory of Design Support Methods \(DDSM\)](#)

[DoD Office of the Executive Secretary](#)

[DoD Per Diem, Travel and Transportation Allowance Committee](#)

[DoD Research & Development Descriptive Summaries](#)

[DoD Special Oversight Board](#) for DoD Investigations of Gulf War Chemical and Biological Incidents

[DoD Sports Office](#)

[DoD Technology Transfer \(T2\) Database](#)

[DoD TravelINK](#)

[DoD Victim and Witness Assistance Program](#)

[DTRA ACECenter \(Assessment of Catastrophic Events\) Public Web](#) **New!**

[Family Advocacy Program Management Information Program\(FAPMIP\)](#)

[GuardLINK](#)

File Edit View Favorites Tools Help Links Best of the Web Channel Guide Customize Links

Address <http://www.dtic.mil/itexchange/weblinks.html> Go

Website Search: Web Shopping Travel Dictionary Encyclopedia Fun

- [Family Advocacy Program Management Information Program\(FAPMIP\)](#)
- [GuardLINK](#)
- [Intelink Engineering Board](#)
- [International Aeronautical Information Network](#)
- [Joint Chiefs of Staff \(JCS\)](#)
- [JCS Joint Doctrine](#)
- [JCS J4 Logistics Directorate](#)
- [JCS J6 C4 Systems Directorate](#)
- [JCS J7 Military Education Division](#)
- [JCS J7 Operational Plans and Interoperability Directorate](#)
- [Korean War 50th Anniversary Commemorative](#)
- [LABLINK](#)
- [Laboratory Management & Technology Transition](#)
- [Military Assistance Program - MAPsite](#)
- [Military Child Development Program](#)
- [Military Family Forum](#)

[Military Child Development Program](#)

[Military Family Forum](#)

[Military Librarians Workshop 2001](#)

[Military Pay and Benefits 2000](#)

[Military Teens on the Move](#)

[National Defense Panel](#)

[North American Technology & Industrial Base Organization - NATIBO](#)

[Nonproliferation and Arms Control Technology Working Group](#)

[OSD Office of the Director of Administration and Management \(ODAM\)](#)

[OUSD Personnel and Readiness](#)

[OUSD Personnel and Readiness - Current Readiness Home Page](#)

[OUSD Personnel and Readiness - Military Assistance Program Family Center Intranet \(MAPsite\)](#)

[Partnership for Fiscal Integrity](#)

[Presidential Advisory Committee on Gulf War Veteran's Illnesses](#)

[Research & Development Streamlined Solicitations/Contracts](#)

[Residential Communities Initiatives \(RCI\)](#)

[Research & Development Streamlined Solicitations/Contracts](#)

[Residential Communities Initiatives \(RCI\)](#)

[SBIR Interactive Topic Information System \(SITIS\)](#)

[Small Business Assistance](#)

[Small Business Technology Transfer](#)

[Soldiers Online](#)

[TechTRANSIT](#)

[Washington Headquarters Services Directives & Records Division](#)

[Washington Headquarters Services - Real Estate and Facilities Web Site](#)



Address http://www.dtic.mil/itexch Search eblinks.html



Website Search: Web Shopping Travel Dictionary Encyclopedia Fun

Web Services to Defense Information Systems Agency (DISA)

[Defense Information Systems Agency \(DISA\) Home Page](#)

[DMS \(Defense Message System\) Customer Information Services](#)

[Defense Information Infrastructure Common Operating Environment \(DII COE\)](#)

[DISN \(Defense Information System Network\) Video Teleconferencing Home Page](#)

[Global Command and Control System \(GCCS\)](#)

[Knowledgenet](#)



Who is Eligible for DTIC's Services?

- an employee of a DoD organization, DoD contractor or potential DoD contractor
- an employee of a U.S. Federal Government agency or U.S. Federal Government contractor
- a university or college funded by DoD or a U.S. Federal Government agency for research throughout the U.S.



How to start:

- **DTIC Internet registration page:**
<http://www.dtic.mil/dtic/registration/index.html>
- **Program Internet registration information:**
 - **URS:** <http://www.dtic.mil/dtic/prodsrvc/urs.html> ✓
 - **HBCU/MI:** <http://www.dtic.mil/dtic/forms/hbcu-regform.html>
 - **SBIR/STTR:**
http://www.dtic.mil/dtic/sbir/service_req.html



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

- **Call:**

- 1 (800) CAL DTIC (225-3842)
- Either academic program, follow menu for: general registration
- SBIR Only: 1 (800) DOD SBIR (363-7247)

- **E-mail:**

- reghelp@dtic.mil
- urs@dtic.mil
- hbcumi@dtic.mil
- sbir@dtic.mil

- **Mail:**

- Defense Technical Information Center
8725 John J. Kingman Rd Ste 0944
Ft. Belvoir, VA 22060-6218

- **Regional Offices**

- DTIC at Dayton, OH
- DTIC at Boston, MA
- DTIC at Albuquerque, NM
- DTIC at Los Angeles, CA



- **Midwestern Regional Office
Dayton, Ohio**

Wright-Patterson AFB, OH
Phone: (937) 255-7905
Bill Whalen, Manager
Debra Francis

- **Western Regional Office
Los Angeles, California**

Los Angeles AFB
Phone: (310) 363-8980
Mark Gorwitz, Manager
Daisy Clark
Ron Russillo

- **Northeastern Regional
Office Boston,
Massachusetts**

Hanscom AFB, MA
Phone: (781) 377-2413
Randall Bergmann, Manager
Evelyn Walsworth

- **Southwestern Regional Office
Albuquerque, NM**

Kirtland AFB, NM
Phone: (505) 846-6797
Jan Hodges, Manager
Marv Sommers



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

We Want You To Join Us!

- Competitive intelligence
- Project background information
- Continuous updating
- Market your talents



Searching: Quick Start !

- **Register**
- **Sign up for a database access or subscription service**
- **Choose a quick orientation:**
 - Click on “Getting Started” ...
 - Use our online distance learning:
<http://training.dtic.mil/welcome/welcome.html>
- **Email:** training@dtic.mil or (703) 767-8265/7039



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

End Slide DTIC

